

AT-FH705E v2

10/100Base Ethernet Switching Hub

Installation Guide

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Electrical Safety and Emission Statement

Standards: This product meets the following standards.

U.S. Federal Communications Commission

DECLARATION OF CONFORMITY

Manufacture Name: Allied Telesyn International

Manufacture Address: 960 Stewart Drive, Suite B Sunnyvale, CA 94086 USA

Manufacture Telephone: 408-730-0950

Declares that the product: Ethernet switching hub

Model Number: AT-FH705E

This product complies with FCC Part 15B, Class B Limits:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device must not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RADIATED ENERGY

Note: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission rules.

Industry Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

RFI Emission EN55022 Class B & 1



WARNING: In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures. & 2

Immunity EN50082-1 € 3

Electrical Safety UL 1950 (UL, cUL),

EN60950, VCCI Class B

 $6 \sim 4$

Important: Appendix A contains translated safety statements for installing this equipment. When you see the \mathcal{C} , go to Appendix A for the translated safety statement in your language.

Wichtig: Anhang A enthält übersetzte Sicherheitshinweise für die Installation dieses Geräts. Wenn Sie ℰℰ sehen, schlagen Sie in Anhang A den übersetzten Sicherheitshinweis in Ihrer Sprache nach.

Vigtigt: Tillæg A indeholder oversatte sikkerhedsadvarsler, der vedrører installation af dette udstyr. Når De ser symbolet €√, skal De slå op i tillæg A og finde de oversatte sikkerhedsadvarsler i Deres eget sprog. Belangrijk: Appendix A bevat vertaalde veiligheidsopmerkingen voor het installeren van deze apparatuur. Wanneer u de &\tau\text{ ziet, raadpleeg Appendix A voor vertaalde veiligheidsinstructies in uw taal.

Important: L'annexe A contient les instructions de sécurité relatives à l'installation de cet équipement. Lorsque vous voyez le symbole \mathcal{A} , reportez-vous à l'annexe A pour consulter la traduction de ces instructions dans votre langue.

Tärkeää: Liite A sisältää tämän laitteen asentamiseen liittyvät käännetyt turvaohjeet. Kun näet ఈ√-symbolin, katso käännettyä turvaohjetta liitteestä A.

Importante: l'Appendice A contiene avvisi di sicurezza tradotti per l'installazione di questa apparecchiatura. Il simbolo \mathcal{A} , indica di consultare l'Appendice A per l'avviso di sicurezza nella propria lingua.

Viktig: Tillegg A inneholder oversatt sikkerhetsinformasjon for installering av dette utstyret. Når du ser &, åpner du til Tillegg A for å finne den oversatte sikkerhetsinformasjonen på ønsket språk.

Importante: O Anexo A contém advertências de segurança traduzidas para instalar este equipamento. Quando vir o símbolo $6 \mathcal{O}$, leia a advertência de segurança traduzida no seu idioma no Anexo A.

Importante: El Apéndice A contiene mensajes de seguridad traducidos para la instalación de este equipo. Cuando vea el símbolo & , vaya al Apéndice A para ver el mensaje de seguridad traducido a su idioma.

Obs! Bilaga A innehåller översatta säkerhetsmeddelanden avseende installationen av denna utrustning. När du ser ఈ, skall du gå till Bilaga A för att läsa det översatta säkerhetsmeddelandet på ditt språk.

Table of Contents

Electrical Safety and Emission	
Statement	iii
Table of Contents	vii
Welcome to Allied Telesyn	ix
Where to Find Web-based Guides	ix
Document Conventions	ix
Contacting Allied Telesyn	x
Online Support	x
Telephone or Fax Support	xi
E-mail Support	
Returning Products	xi
FTP Server	
For Sales or Corporate Information	. xiv
Tell Us What You Think	. xiv
AT-FH705E Fast Ethernet Switching	
Hub	1
Overview	1
Features	2
Physical Description	3
Ports 1 Through 4	3
Port 5 and the Uplink Port	4
Front Panel LEDs	5
Power Supply	6

Network Topologies	7
Installing the AT-FH705E	9
Verifying the Package Contents	9
Selecting a Site	10
Reviewing Safety Guidelines	11
Installing the Unit on a Desktop	13
Installing the Unit on a Wall	14
Verifying and Troubleshooting the	
Installation	16
Warranty Registration	18
Technical Specifications	19
Appendix A Translated Safety and Emission Information	21
Appendix B Technical Support Fax Order	35
Incident Summary	35
Appendix C	
AT-FH705E Installation Guide	0.7
Feedback	37

Welcome to Allied Telesyn

This guide contains instructions on how to install an Allied Telesyn AT-FH705E Ethernet Switching Hub.

Where to Find Web-based Guides

The Allied Telesyn web site at **www.alliedtelesyn.com** provides you with an easy way to access the most recent documentation and technical information for all of our products. All web-based documents for Allied Telesyn products can be downloaded from the web site in PDF format.

Document Conventions

This guide uses several conventions that you should become familiar with before you begin to install the product.

Note

A note provides additional information.



Caution

A caution indicates that performing or omitting a specific action may result in equipment damage or loss of data.



Warning

A warning indicates that performing or omitting a specific action may result in bodily injury.

Contacting Allied Telesyn

There are several ways to contact Allied Telesyn technical support: online, telephone, fax, and e-mail.

Online Support

You can request technical support online by filling out the Online Technical Support Form at www.alliedtelesyn.com/forms/support.htm.

Telephone or Fax Support

For technical support via fax, please fill out the"Technical Support Fax Order" on page 35 and send it to the appropriate location listed below.

Americas

United States, Canada. Mexico, Central America, South America

1 (800) 428-4835 Tel:

Fax: 1 (503) 639-3976 Germany

Germany, Switzerland, Austria, Eastern Europe

Tel: (+49) 30-435-900-126 Fax: (+49) 30-435-70-650

Asia

Italy

Singapore, Taiwan, Thailand, Malaysia, Indonesia, Korea,

Philippines, China,

India, Hong Kong Tel: (+65)3815-612

Fax: (+65)3833-830 Italy, Spain, Portugal, Greece,

Turkey, Israel, Middle East,

Africa Tel: Fax:

(+39) 02-41-30-41

(+39) 02-41-30-42-00

Australia

Australia. New Zealand

1 (800) 000-880 Tel·

Japan

Tel· (+81) 3-3443-5640 Fax: (+81) 3-3443-2443

(+61) 2-9438-4966 Fax:

France

France, Belgium, Luxembourg, United Kingdom, Denmark,

Tel: (+33) 1-60-92-15-25

Fax: (+33) 1-69-28-37-49

The Netherlands

United Kingdom

Norway, Sweden, Finland,

Iceland

Tel: (+44) 1-235-442560

Fax: (+44) 1-235-442680

E-mail Support

United States and Canada TS1@alliedtelesyn.com

Latin America, Mexico, Puerto Rico, Caribbean, and Virgin Islands latin_america@alliedtelesyn.com

United Kingdom, Sweden, Norway, Denmark, and Finland support europe@alliedtelesvn.com

Returning Products

Products for return or repair must first be assigned a Return Materials Authorization (RMA) number. A product sent to Allied Telesyn without a RMA number will be returned to the sender at the sender's expense.

To obtain an RMA number, contact Allied Telesyn's Technical Support at one of the following locations:

North America 2124 Zanker Road San Jose, CA 95131 Tel: 1-800-428-4835,

option 4

Fax: 1-503-639-3716

European Customer Support Centre

10/11 Bridgemead Close Westmead Industrial Estate Swindon, Wiltshire SN5 7YT

England

Tel: +44-1793-501401 Fax: +44-1793-431099 Latin America, the Caribbean, Virgin Islands

Tel: international code +

425-481-3852

Fax: international code +

425-483-9458

Mexico and Puerto Rico

Tel: 1-800-424-5012, ext 3852

or 1-800-424-4284, ext 3852

Mexico only:

95-800-424-5012, ext 3852

Fax: international code +

425-489-9191

FTP Server

If you need a device driver for an Allied Telesyn device and you know the name of the driver, you can download the software by connecting directly to our FTP server at **ftp://gateway.centre.com**.

At login, enter 'anonymous'. Enter your e-mail address for the password as requested by the server at login.

For Sales or Corporate Information

For sales or corporate information contact Allied Telesyn at one of the following locations:

Allied Telesyn International, Corp. 19800 North Creek Parkway, Suite 200

Bothell, WA 98011

Tel: 1 (425) 487-8880

Fax: 1 (425) 489-9191

Allied Telesyn International, Corp.

960 Stewart Drive, Suite B Sunnyvale, CA 94086 Tel: 1 (800) 424-4284 (USA

and Canada)

Fax: 1 (408) 736-0100

Tell Us What You Think

If you have any comments or suggestions on how we might improve this or other Allied Telesyn documents, please fill out the "AT-FH705E Installation Guide Feedback" on page 37 and return the form to us at the address or fax number provided. You can also provide feedback online by filling out the Send Us Feedback Form at www.alliedtelesyn.com/forms/feedback.htm.

AT-FH705E Fast Ethernet Switching Hub

Overview

The AT-FH705E is a 10Base-T/100Base-TX unmanaged switching hub. The device provides you with a simple, cost-effective solution for Ethernet connectivity between end nodes operating at either 10 or 100 Mbps.



Figure 1 AT-FH705E Ethernet Switching Hub

Features

The AT-FH705E Switching Hub has the following features:

- ☐ Five auto-negotiating 10/100 Mbps twisted pair ports with RJ-45 connectors
- ☐ One Uplink port for connecting the AT-FH705E Switching Hub to another switch or hub without a crossover cable
- ☐ IEEE 802.3 and IEEE 802.3u compliant
- □ External power adapter
- ☐ Desktop or wall-mount installation

Figure 2 and Figure 3 show the front and back panels of the hub.

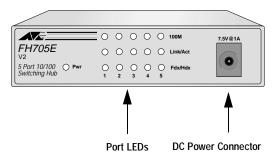


Figure 2 Front Panel

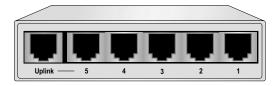


Figure 3 Back Panel

Physical Description

The physical description of the device includes:

- □ Ports 1 through 4
- ☐ Port 5 and the Uplink port
- □ LEDs
- □ Power supply

Ports 1 Through 4

Ports 1 through 4 can operate at either 10 Mbps or 100 speed and in either full- or half-duplex mode. The ports, featuring RJ-45 connectors, are configured as MDI-X, meaning that you can connect a workstation or server to one of the ports without using a crossover cable. The ports have a maximum operating distance of 100 meters (328 feet) using category 5 cable.

The ports are IEEE802.3u Auto-Negotiation compliant. This means that the ports can automatically configure their speed and duplex mode to match the capabilities of the end nodes connected to the ports.

Port 5 and the Uplink Port

Port 5 and the Uplink port allow you to connect an additional workstation to the hub or interconnect the switching hub with another switch or hub, without the use of a cross-over cable. If you need to connect an additional workstation to the device, use Port 5, which is configured as MDI-X, just like ports 1 through 4. If you need to connect the device to a switch or another hub, use the Uplink port, which is configured as MDI.

Both Port 5 and the Uplink port offer 10 Mbps or 100 Mbps performance and auto-negotiation operation for both speed and duplex mode, just like ports 1 through 4. Both ports feature an RJ-45 connector and have a maximum operating distance of 100 meters (328 feet) using category 5 cable.

Note

You can use either port 5 or the Uplink port. You cannot use both simultaneously.

Front Panel LEDs

Refer to Table 1 for a description of the device LEDs.

Table 1 LED Functions

LEDs	Color	Description
Power	Green	On means there is power to the hub. Off means there is no power to the hub.
100M	Green	On means the port speed is 100 Mbps. Off means the port speed is 10 Mbps.
Link/Act	Green	On indicates a valid physical link on the port. Flashing indicates data is being transmitted or received on the port. Off means there is no link on the port.

Table 1 LED Functions (continued)

LEDs	Color	Description
Fdx/Hdx	Green	On indicates the port is operating in full-duplex mode.
		Off indicates the port is operating in half-duplex mode.

Power Supply

The AT-FH705E uses an external power adapter that comes standard with the hub.

Network Topologies

Figure 4 illustrates a network that consists of one AT-FH705E Ethernet Switching Hub used to interconnect four workstations and a server. In this configuration, the Uplink port is not used.

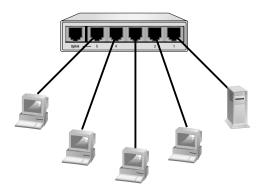


Figure 4 Single AT-FH705E Switching Hub Topology

Figure 5 illustrates a network of two AT-FH705E Ethernet Switching Hubs that have been interconnected using the Uplink ports on the two units. Using the Uplink ports eliminates the need for a cross-over cable to interconnect the hubs.

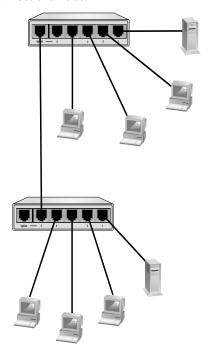


Figure 5 Multiple AT-FH705E Ethernet Switching Hub Topology

Installing the AT-FH705E

This section contains the procedures for installing the device.

Verifying the Package Contents

Make sure that the package includes the following items. If any of the items are damaged or missing, contact your Allied Telesyn representative immediately.

- □ One AT-FH705E Switching Hub□ One power adapter
- ☐ Four self-adhesive rubber feet
- Warranty card
- ☐ This installation guide

Note

For wall-mount installation, you must supply the two screws and plastic anchors or other material necessary to physically mount the device on the wall.

Selecting a Site

Make sure you observe the following site requirements: ☐ Make sure you are placing the device in a dust-free and moisture-free environment. ☐ Do not block the ventilation openings on the unit. Allow at least 10 centimeters (4 inches) of space at the front and back of the unit for ventilation ☐ Make sure that the device's power is accessible and cables can be connected easily. ☐ Cabling should be away from sources of electrical noise such as radios. transmitters, broadband amplifiers, power lines, and fluorescent fixtures. ☐ Do not place objects on top of the device. ☐ Use dedicated power circuits or power

conditioners to supply power to the device.

☐ Observe the following cabling specifications:

Ports	Connector Type	Type of Cable	Maximum Distance
1 through 5	RJ-45	Category 5	100 m (328 ft)
Uplink	RJ-45	Category 5	100 m (328 ft)

Reviewing Safety Guidelines

Please review the following safety guidelines before you begin to install the device.



Warning

Power cord is used as a disconnection device: To deenergize equipment, disconnect the power cord. & 5



Caution

Power to the hub must be sourced only from the adapter. Get 6



Caution



Caution

USA/CANADA: Use a UL Listed/CSA Certified AC adapter of DC 7.5V, 1A.



Caution

Australia: Use a Australian Safety Approved AC adapter of DC 7.5V 1A. & 7



Caution

Air vents: The air vents must not be blocked on the unit and must have free access to the room ambient air for cooling.



Caution

Operating Temperature: This product is designed for a maximum ambient temperature of 40°C. Ser 9



Caution

All Countries: Install this product in accordance with local and National Electric Codes. & 10

Installing the Unit on a Desktop

To install the device on a desktop, perform the following procedure. To mount the unit on a wall, perform the steps "Installing the Unit on a Wall" on page 14.

- 1. Attach the four self-adhesive rubber feet to the bottom of the device, positioning them in the indentations.
- 2. Place the device on a flat, level surface.
- 3. Plug the power adapter into the power receptacle, then plug the DC power cord into the DC connector on the front panel of the device.



Warning

The power cord is used as a disconnection device. To de-energize equipment, disconnect the power cord. *⊕* 5

4. Make sure the Power LED on the front panel lights green.

5. Attach the data cables to the switching hub ports. Do not use a cross-over cable to connect workstations or servers to ports 1 through 5. Do not use a cross-over cable to connect another switch or hub to the Uplink port.

Note

You can use either port 5 or the Uplink port on an AT-FH705E Switching Hub, but you cannot use both simultaneously.

6. Go to the procedure "Verifying and Troubleshooting the Installation" on page 16.

Installing the Unit on a Wall

For wall-mount installation, you can position the device vertically or horizontally on the wall using the keyhole cutouts in the bottom of the hub chassis.

- If previously attached, remove the rubber feet and all cables and the DC power cord from the device.
- 2. Select a wall location for the device.

Note

For wall-mount installation, you must supply the two screws and plastic anchors or other material necessary to physically mount the device on the wall.

- 3. Install two plastic anchors and two pan-head screws into the wall, separated by 5 centimeters (approximately 2 inches).
- 4. Position the device onto the wall screws.
- 5. Plug the power adapter into the power receptacle, then plug the DC power cord into the DC connector on the front panel of the switching hub.



Warning

The power cord is used as a disconnection device. To de-energize equipment, disconnect the power cord. 5

6. Connect the data cables to the ports on the switching hub.

7. Attach the data cables to the AT-FH705E ports. Do not use a cross-over cable to connect workstations or servers to ports 1 through 5. Do not use a cross-over cable to connect another AT-FH705E to the Uplink port.

Note

You can use either port 5 or the Uplink port, but you cannot use both simultaneously.

8. Go to the procedure "Verifying and Troubleshooting the Installation" on page 16.

Verifying and Troubleshooting the Installation

The following procedure should be perform after you have initially installed the unit to check to be sure that the device is operating properly. You can also perform this procedure to troubleshoot the unit in the event you experience any problems with the device.

- Check the Power LED. The LED should be ON. If the Power LED is OFF, check the following:
 - ☐ Check to be sure that the power adapter is securely connected to the power source and to the DC connector on the front of the

	AT-FH705E Switching Hub.
	Check to be sure that the power outlet has power by connecting another device to it.
	Try replacing the power adapter with another power adapter.
LE	eck the Link/Act LED for each port. The CD should be lit steady or flashing. If a nk/Act LED is OFF, check the following:
	Check to be sure that the node connected to the port on the AT-FH705E is powered ON. If the node is OFF, power the unit ON.
	Check to be sure that the distance between the hub and the connected network device is no greater than 100 meters (328 feet).
	Check to be sure that you are using Category 5 cable.
	Check to be sure that the cable has not

been cut or damaged.

2.

- 3. If the Lnk/Act LED for a port is on but there is a communication problem to the end node connected to the port, such as the loss of data, check the following:
 - □ Check to be sure that the distance between the AT-FH705E and the connected network device is no greater than 100 meters (328 feet).
 - ☐ Check to be sure that you are using Category 5 cable.

Warranty Registration

When you have finished installing the unit, you should register your product by completing the enclosed warranty card and sending it in, or by visiting our web site at

www.alliedtelesyn.com/forms/ warranty.htm and completing the on-line registration form.

Technical Specifications

Standards Compatibility: IEEE 802.3,

IEEE802.3u

Interfaces: RJ-45 connectors

Physical Dimensions: W x D x H

100 x 78.5 x 26 mm (3.93 x 3.09 x 1.02

in.)

Power Supply: Output: 7.5V @ 1A

Power Consumption: 4W

Environment Specifications:

Operating Temperature 0° to 40° C Storage Temperature -25° to 70° C Operating Humidity 10% to 90%

Relative Humidity

Storage Humidity 10% to 95%

Relative Humidity

Electromagnetic Emission: FCC Class B;

CE Class B; VCCI Class B

Appendix A

Translated Safety and Emission Information

Important: This appendix contains multiplelanguage translations for the safety statements in this guide.

Wichtig: Dieser Anhang enthält Übersetzungen der in diesem Handbuch enthaltenen Sicherheitshinweise in mehreren Sprachen.

Vigtigt: Dette tillæg indeholder oversættelser i flere sprog af sikkerhedsadvarslerne i denne håndbog.

Belangrijk: Deze appendix bevat vertalingen in meerdere talen van de veiligheidsopmerkingen in deze gids.

Important: Cette annexe contient la traduction en plusieurs langues des instructions de sécurité figurant dans ce guide.

Tärkeää: Tämä liite sisältää tässä oppaassa esiintyvät turvaohjeet usealla kielellä.

Importante: questa appendice contiene traduzioni in più lingue degli avvisi di sicurezza di questa guida.

Viktig: Dette tillegget inneholder oversettelser til flere språk av sikkerhetsinformasjonen i denne veiledningen.

Importante: Este anexo contém traduções em vários idiomas das advertências de segurança neste guia.

Importante: Este apéndice contiene traducciones en múltiples idiomas de los mensajes de seguridad incluidos en esta guía.

Obs! Denna bilaga innehåller flerspråkiga översättningar av säkerhetsmeddelandena i denna handledning. **Standards**: This product meets the following standards:

U.S. Federal Communications Commission

DECLARATION OF CONFORMITY

Manufacture Name: Allied Telesyn International

Manufacture Address: 950 Stewart Drive, Suite B

Sunnyvale, CA 94085 USA

Manufacture Telephone: 408-730-0950

Declares that the product: Ethernet switching hub

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission rules.

Industry Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

a~ 1 RFI Emissions EN55022 Class B

6-√ 2 **∧**

WARNING: In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures. 6-7

6-√ 3 **Immunity** EN50082-1 1997

a~ 4 Electrical Safety UL 1950 (UL, cUL). EN60950. VCCI Class B

SAFETY



CAUTION: POWER CORD IS USED AS A DISCONNECTION DEVICE. TO DE-ENERGIZE EQUIPMENT, disconnect the power cord.



A Power to the hub must be sourced only from the adapter.



AC adapter of DC 7.5V, 1A.

> EUROPE - EU: Use TÜV licensed AC adapter of DC 7.5V, 1A.

> Australia: Use a Australian Safety Approved AC adapter of DC 7.5V, 1A.

CAUTION: Air vents must not be blocked and must have free access to the room ambient air for cooling.

OPERATING TEMPERATURE: This product is designed for a maximum ambient temperature of 40° degrees C.

ALL COUNTRIES: Install product in accordance with local and National Electrical Codes.

Normen: Dieses Produkt erfüllt die Anforderungen der nachfolgenden Normen.

⇒ 1 Hochfrequenzstörung EN55022 Klasse B

WARNUNG: Bei Verwendung zu Hause kann dieses Produkt Funkstörungen hervorrufen. In diesem Fall müßte der Anwender angemessene Gegenmaßnahmen ergreifen.

Elektrische Sicherheit UL 1950 (UL, cUL),

EN60950, VCCL Class B

SICHERHEIT

a ~ 4

VORSICHT: DAS NETZKABEL DIENT ZUM TRENNEN DER STROMVERSORGUNG. ZUR TRENNUNG VOM NETZ, KABEL AUS DER STECKDOSE ZIEHEN.

- 6 Der Buchse darf nur aus dem Adapter Strom zugeführt werden.
- Gebrauchen Sie einen von TÜV zugelassenen Wechselstromadapter für Gleichstrom 7,5 V, 1A.
- VORSICHT
 Die Entlüftungsöffnungen dürfen nicht versperrt sein und müssen zum Kühlen freien Zugang zur Raumluft, haben.
- 9 A BETRIEBSTEMPERATUR: Dieses Produkt wurde für den Betrieb in einer Umgebungstemperatur von nicht mehr als 40° C entworfen.
- 10 **ALLE LÄNDER:** Installation muß örtlichen und nationalen elektrischen Vorschriften entsprechen.

Standarder: Dette produkt tilfredsstiller de følgende standarder.

A 1 Radiofrekvens forstyrrelsesemission: EN55022 Klasse B

er 2 **∧**

ADVARSEL: I et hjemligt miljø kunne dette produkt forårsage radio forstyrrelse. Bliver det tilfældet, påkræves brugeren muligvis at tage tilstrækkelige foranstaltninger.

EN60950, VCCI Class B

SIKKERHED

ar 5 🛕

ADVARSEL: DEN STRØMFØRENDE LEDNING BRUGES TIL AT AFBRYDE STRØMMEN. SKAL STRØMMEN TIL APPARATET AFBRYDES, tages ledningen ud af stikket.

- & 6 A Strømforsyningen til apparatet må udelukkende tages fra tilpasningstransformatoren.
- ## 7 A Brug kun TÜV godkendt vekselstrømstransformator på 7.5 V jævnstrøm, 1A.
- ADVARSEL: Ventilationsåbninger må ikke blokeres og skal have fri adgang til den omgivende luft i rummet for afkøling.
- ALLE LANDE: Installation af produktet skal ske i overensstemmelse med lokal og national lovgivning for elektriske installationer.

Eisen: Dit product voldoet aan de volgende eisen.

WAARSCHUWING: Binnenshuis kan dit product radiostoring veroorzaken, in welk geval de gebruiker verplicht kan worden om gepaste maatregelen te nemen.

4 Electrische Veiligheid UL 1950 (UL, cUL), EN60950, VCCI Class B

VEILIGHEID

- WAARSCHUWING: HET TOESTEL WORDT UITGESCHAKELD DOOR DE STROOMKABEL TE ONTKOPPELEN.OM HET TOESTEL STROOMLOOS TE MAKEN: de stroomkabel ontkoppelen.
- Gebruik een door TÜV gekeurde wisselstroomadapter van 7,5 Volt gelijkstroom, 1 ampères.
- OPGELET: De ventilatiegaten mogen niet worden gesperd en moeten de omgevingslucht ongehinderd toelaten voor afkoeling.
- 9 A BEDRIJFSTEMPERATUUR: De omgevingstemperatuur voor dit produkt mag niet meer bedragen dan 40 graden Celsius.
- ALLE LANDEN: het toestel installeren overeenkomstig de lokale en nationale elektrische voorschriften.

Normes: ce produit est conforme aux normes de suivantes

radioélectriques EN55022 Classe B

MISE EN GARDE: dans un environnement domestique, ce produit peut provoquer des interférences radioélectriques. Auquel cas, l'utilisateur devra prendre les mesures adéquates.

> EN60950, VCCI Class B

DANGER DE FOUDRE
DANGER: NE PAS MANIER le matériel ou les
CÂBLES lors d'activité orageuse.

6 A L'alimentation du concentrateur doit être uniquement fournie par l'adaptateur.

7 Mutiliser un adaptateur secteur conforme TÜV de 7,5 V, 1 A en courant continu.

ATTENTION: Ne pas bloquer les fentes d'aération, ceci empêcherait l'air ambiant de circuler librement pour le refroidissement.

9 A TEMPÉRATURE DE FONCTIONNEMENT: Ce matériel est capable de tolérer une température ambiante maximum de ou 40 degrés Celsius

POUR TOUS PAYS: Installer le matériel conformément aux normes électriques nationales et locales.

Standardit: Tämä tuote on seuraavien standardien mukainen

VAROITUS: Kotiolosuhteissa tämä laite voi aiheuttaa radioaaltojen häiröitä, missä tapauksessa laitteen käyttäjän on mahdollisesti ryhdyttävä tarpeellisiin toimenpiteisiin.

EN60950, VCCI Class B

TURVALLISUUS

HUOMAUTUS: VIRTAJOHTOA KÄYTETÄÄN VIRRANKATKAISULAITTEENA. VIRTA KATKAISTAAN irrottamalla virtajohto.

Tähtipisteeseen (hub) syötettävän virran pitää tulla ainoastaan sovittimesta.

Käytä TÜV-lisenssillä valmistettua verkkosovitinta, jonka tasajännitteen nimellisarvot ovat DC 7,5 V, 1 A.

HUOMAUTUS: Ilmavaihtoreikiä ei pidä tukkia ja niillä täytyy olla vapaa yhteys ympäröivään huoneilmaan, jotta ilmanvaihto tapahtuisi.

★ KÄYTTÖLÄMPÖTILA: Tämä tuote on suunniteltu ympäröivän ilman maksimilämpötilalle 40°C.

KAIKKI MAAT: Asenna tuote paikallisten ja kansallisten sähköturvallisuusmääräysten mukaisesti.

Standard: Questo prodotto è conforme ai seguenti standard.

AVVERTENZA: in ambiente domestico questo prodotto potrebbe causare radio interferenza. In questo caso potrebbe richiedersi all'utente di prendere gli adeguati provvedimenti.

3 Immunità EN50082-1 1997

4 Sicurezza elettrica UL 1950 (UL, cUL), EN60950,

VCCI Class B

NORME DI SICUREZZA

- ATTENZIONE: IL CAVO DI ALIMENTAZIONE È USATO COME DISPOSITIVO DI DISATTIVAZIONE. PER TOGLIERE LA CORRENTE AL DISPOSITIVO staccare il cavo di alimentazione.
- 6 ♠ Questo dispositivo deve essere alimentato solo mediante l'adattatore.
- & ATTENZIONE: le prese d'aria non vanno ostruite e devono consentire il libero ricircolo dell'aria ambiente per il raffreddamento.
- Y 9 TEMPERATURA DI FUNZIONAMENTO: Questo prodotto è concepito per una temperatura ambientale massima di 40 gradi centigradi.
- TUTTI I PAESI: installare il prodotto in conformità delle vigenti normative elettriche nazionali.

Sikkerhetsnormer: Dette produktet tilfredsstiller følgende sikkerhetsnormer.

ADVARSEL: Hvis dette produktet benyttes til privat bruk, kan produktet forårsake radioforstyrrelse. Hvis dette skjer, må brukeren ta de nødvendige forholdsregler.

& 4 Elektrisk sikkerhet UL 1950 (UL, cUL),

EN60950, VCCI Class B

SIKKERHET

FORSIKTIG: STRØMLEDNINGEN BRUKES
TIL Å FRAKOBLE UTSTYRET. FOR Å
DEAKTIVISERE UTSTYRET, må
strømforsyningen kobles fra.

- 6 ★ All strømtilførsel må komme fra adapteren.
- & 7 ⚠ Benytt TÜV-godkjent AC-adapter på 7,5V DC, 1A.
- FORSIKTIG: Lufteventilene må ikke blokkeres, og må ha fri tilgang til luft med romtemperatur for avkjøling.
- ORIFTSTEMPERATUR: Dette produktet er konstruert for bruk i maksimum romtemperatur på 40 grader celsius.
- ALLE LAND: Produktet må installeres i samsvar med de lokale og nasjonale elektriske koder.

Padrões: Este produto atende aos seguintes padrões.

a~ 1 Emissão de interferência de

radiofrequência EN55022 Classe B

 AVISO: Num ambiente doméstico este produto pode causar interferência na radiorrecepção e. neste caso, pode ser necessário que o utente tome as medidas adequadas.

a~ 3 Imunidade EN50082-1 1997

a~ 4 UL 1950 (UL, cUL), Segurança Eléctrica

> EN60950. VCCI Class B

SEGURANCA

CUIDADO: O CABO DE ALIMENTAÇÃO É UTILIZADO COMO UM DISPOSITIVO DE DESCONEXÃO, PARA DESELETRIFICAR O EQUIPAMENTO, desconecte o cabo de ALIMENTAÇÃO.

- ⚠ Use somente o adaptador fornecido para alimentação elétrica do hub.
- Use um adaptador de corrente alternada com saída DC de 7,5V e 1A em conformidade com as especificações da TÜV.
- ↑ CUIDADO: As aberturas de ventilação não devem ser bloqueadas e devem ter acesso livre ao ar ambiente para arrefecimento adequado do aparelho.
- TEMPERATURA DE FUNCIONAMENTO: Este produto foi projetado para uma temperatura ambiente máxima de 40 graus centígrados.
- TODOS OS PAÍSES: Instale o produto de acordo com as normas nacionais e locais para instalações elétricas

Estándares: Este producto cumple con los siguientes estándares.

⊕ 1 Emisión RFI EN55022 Clase B

ADVERTENCIA: en un entorno doméstico, este producto puede causar radiointerferencias, en cuyo caso, puede requerirse del usuario que tome las medidas que sean convenientes al respecto.

22 3 Inmunidad EN50082-1 1997

EN60950, VCCI Class B

SEGURIDAD

5 ATENCION: EL CABLE DE ALIMENTACION SE USA COMO UN DISPOSITIVO DE DESCONEXION. PARA DESACTIVAR EL EQUIPO, desconecte el cable de alimentación.

- & 6 La energía para el dispositivo central o "hub" debe provenir únicamente del adaptador.
- 7 M Utilizar un adaptador de corriente alterna autorizado TÜV de 7,5 voltios de corriente continua y 1 amperios.
- ATENCION: Las aberturas para ventilación no deberán bloquearse y deberán tener acceso libre al aire ambiental de la sala para su enfriamiento.
- 9 TEMPERATURA REQUERIDA PARA LA OPERACIÓN: Este producto está diseñado para una temperatura ambiental máxima de 40 grados C.
- PARA TODOS LOS PAÍSES: Monte el producto de acuerdo con los Códigos Eléctricos locales y nacionales.

Standarder: Denna produkt uppfyller följande standarder.

VCCI Class B

VARNING: Denna produkt kan ge upphov till radiostörningar i hemmet, vilket kan tvinga användaren till att vidtaga erforderliga åtgärder.

4 Elsäkerhet UL 1950 (UL, cUL), EN60950,

SÄKERHET

VARNING: NÄTKABELN ANVÄNDS SOM STRÖMBRYTARE FÖR ATT KOPPLA FRÅN STRÖMMEN, dra ur nätkabeln.

6 A Endast anslutningsenheten får vara kraftkälla till centralen.

Använd en växelströmsanslutningsenhet licensierad av TÜV.Likström 7,5V, 1A.

VARNING: Luftventilerna får ej blockeras och måste ha fri tillgång till omgivande rumsluft för avsvalning.

ORIFTSTEMPERATUR: Denna produkt är konstruerad för rumstemperatur ej överstigande 40 grader Celsius.

ALLA LÄNDER: Installera produkten i enlighet med lokala och statliga bestämmelser för elektrisk utrustning.

Appendix B

Technical Support Fax Order

Name
Company
Address
City
State/Province
Zip/Postal Code
Country
Phone
Fax
Incident Summary
Model number of Allied Telesyn product I am using
Firmware release number of Allied Telesyn product
Other network software products I am using (e.g., network managers)

Detailed description (Please use separate sheet)

Please also fax printouts of relevant files such as batch files and configuration files. When completed, fax this sheet to the appropriate Allied Telesyn office. Fax numbers can be found on page viii.

Appendix C

AT-FH705E Installation Guide Feedback

Please tell us what additional information you

ca	ould like to see discussed in this guide. You in fax or mail this form to the mailing address and fax number at the bottom of the page.
Ιį	found the following the most valuable
_	
-	
I٦	would like the following more developed
_	
I٠	would find this guide more useful if
_	

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